



305792

ESU file

October 30, 1973

(217) 525-6171

CABOT CORPORATION - Industrial Waste Disposal Well
Log #3048-73
PERMIT #1973-EB-2190-OP

Cabot Corporation
P. O. Box 188
Tuscola, Illinois 61953

Permit is hereby granted to Cabot Corporation, Tuscola, Illinois, to operate an industrial waste disposal well and to operate necessary surface facilities for the well. Said disposal well is located 1745 feet north and 800 feet west of the Southeast Corner of the Southeast Quarter of the Southwest Quarter of the Southeast Quarter of Section 31, Township 16 North, Range 8 East of the Third Principal Meridian, Douglas County, Illinois. Total well depth is 5318 feet.

This permit is issued for the injection of industrial wastes of a maximum of 200 gpm at a maximum injection pressure of 50 psig. The wastes consist of hydrochloric acid, chloridic salts, and silicon dioxide particulates from Cabot Corporation (98.8% by weight); nitric acid, zinc nitrate, trisodium phosphate, and aromatic solvent from R.R. Connelley Company (0.5% by weight); chlorides, corn starch, and sulfates from A.E. Staley Manufacturing Company (0.7% by weight).

The injection wastes should be sampled daily (if waste is injected) and a weekly composite sample made and analyzed. The analysis report should show all parameters which are in significant amounts or which are needed to adequately characterize the wastes. The Illinois Environmental Protection Agency may request that sampling and analysis procedures be changed at some future date.

As described in documents submitted to the Illinois Environmental Protection Agency, well inspections should be made every six months or as necessary, and the results, including copies of logs, reported in the regular monthly operational report.

If a situation arises which could result in water pollution, the Illinois Environmental Protection Agency will be notified by telephone.

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Monthly operating reports must be submitted in one copy each to the following four addressees:

1. Illinois Environmental Protection Agency
Division of Water Pollution Control
Permit Section
Engineering Support Unit
2200 Churchill Road
Springfield, Illinois 62706
2. Illinois Environmental Protection Agency
Division of Water Pollution Control
Operator Certification Section
2200 Churchill Road
Springfield, Illinois 62706
3. Illinois State Water Survey
P. O. Box 232
Urbana, Illinois 61801
4. Illinois State Geological Survey
Natural Resources Building
University of Illinois
Urbana, Illinois 61801

The transmittal letter should show that the above four addressees were sent a copy of the report.

The operational reports shall contain as a minimum the following:

1. the total number of hours of injection during the month
2. the total number of gallons of waste injected during the month
3. the maximum injection pressure used during the month
4. the maximum injection rate used during the month
5. a summary of any operational difficulties encountered or maintenance performed during the month, including copies of logs
6. the maximum and minimum annulus pressure recorded during the month

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7. copies of recording charts for recording equipment used in the deep well system. These charts should be clearly labeled and marked with units.
8. analyses from weekly sampling of the injection wastes

This permit expires one year from the date of this letter.

Special Condition:

The Cabot Corporation must obtain a permit from this Agency to operate the settled solids holding lagoon located on the plant property. The Application for Permit must include provision for the proper ultimate disposal of the sludges from the waste treatment handling process. The Agency requests to receive the Application for Permit within 45 days of the date of this permit.

DIVISION OF WATER POLLUTION CONTROL

William H. Busch

William H. Busch, P.E.
Manager
Permit Section

WLA:CWO:ilc

cc: Enforcement Services Section
Champaign Surveillance Office
Illinois State Water Survey
Illinois State Geological Survey
Illinois Department of Mines and Minerals
Division of Water Resource Management
Executive Director, ORSANCO
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